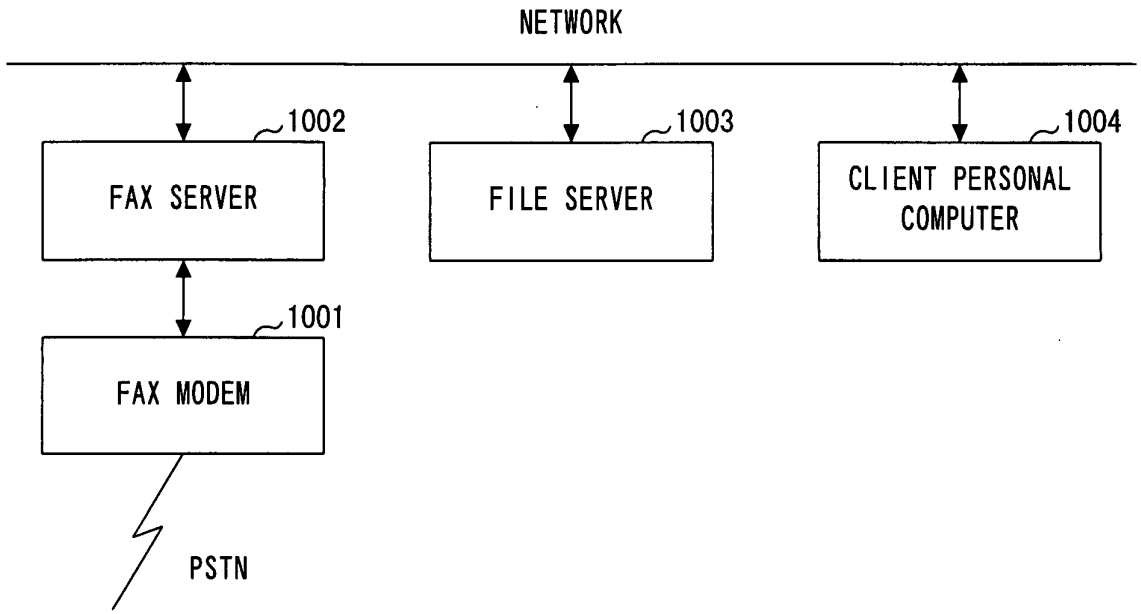
6602S0 "8S6ATE60



PRIOR ART

FIG. 1

6602S0 "356HTE60

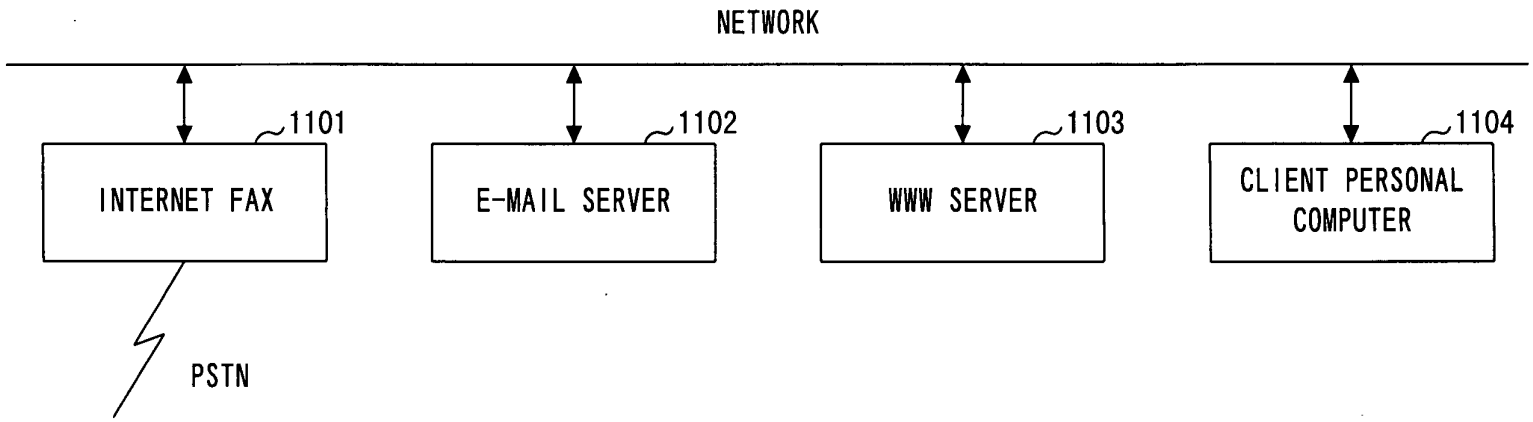


FIG. 2

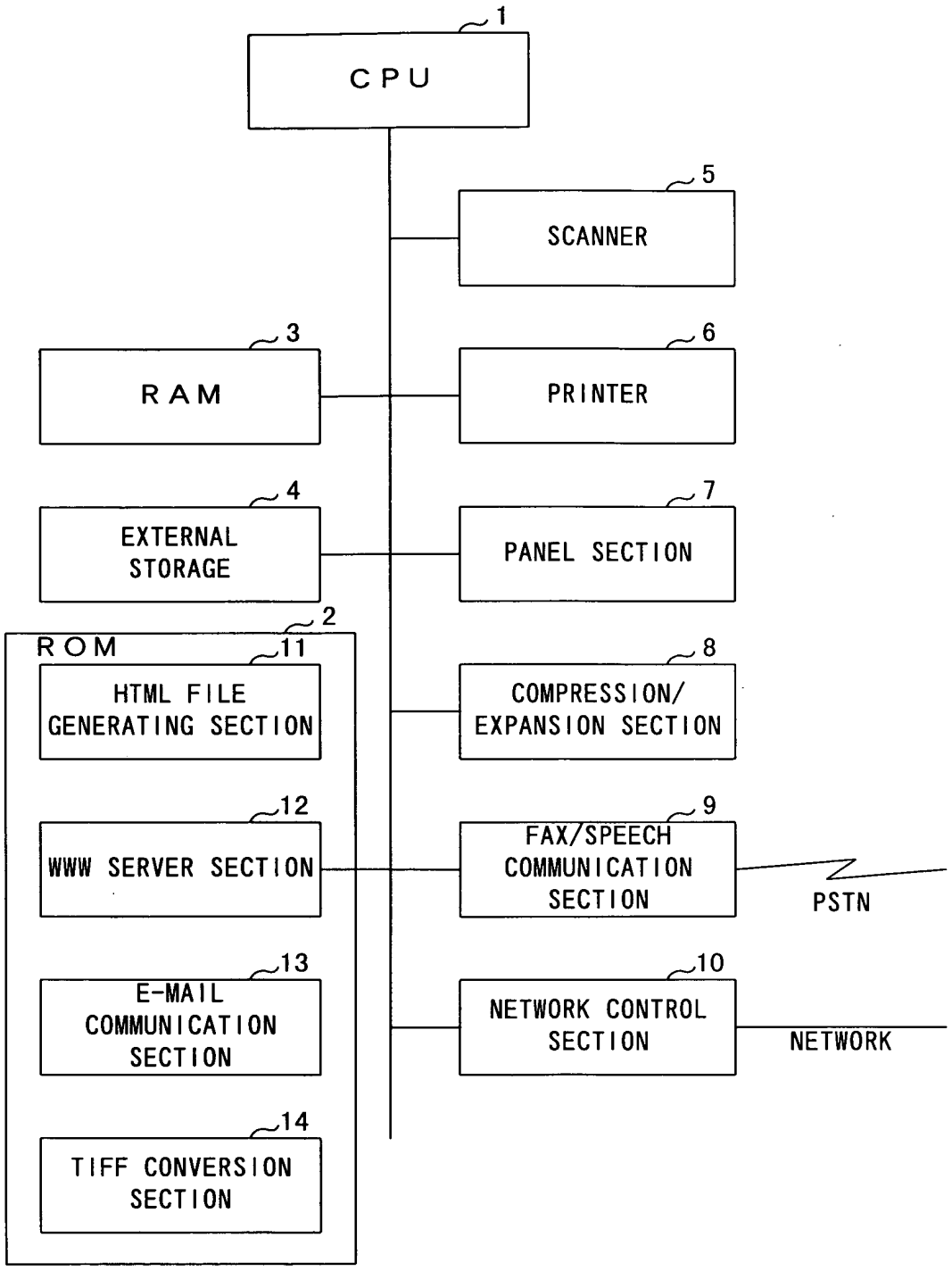

1
CPU
5
SCANNER
3
RAM
6
PRINTER
4
EXTERNAL STORAGE
7
PANEL SECTION
2
ROM
11
HTML FILE GENERATING SECTION
8
COMPRESSION/ EXPANSION SECTION
12
WWW SERVER SECTION
9
FAX/SPEECH COMMUNICATION SECTION
PSTN
13
E-MAIL COMMUNICATION SECTION
10
NETWORK CONTROL SECTION
NETWORK
14
TIFF CONVERSION SECTION

FIG. 3

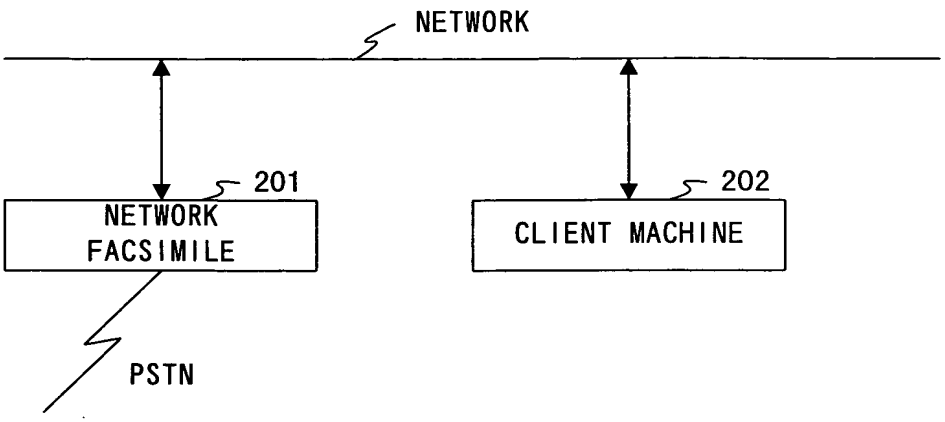


FIG. 4

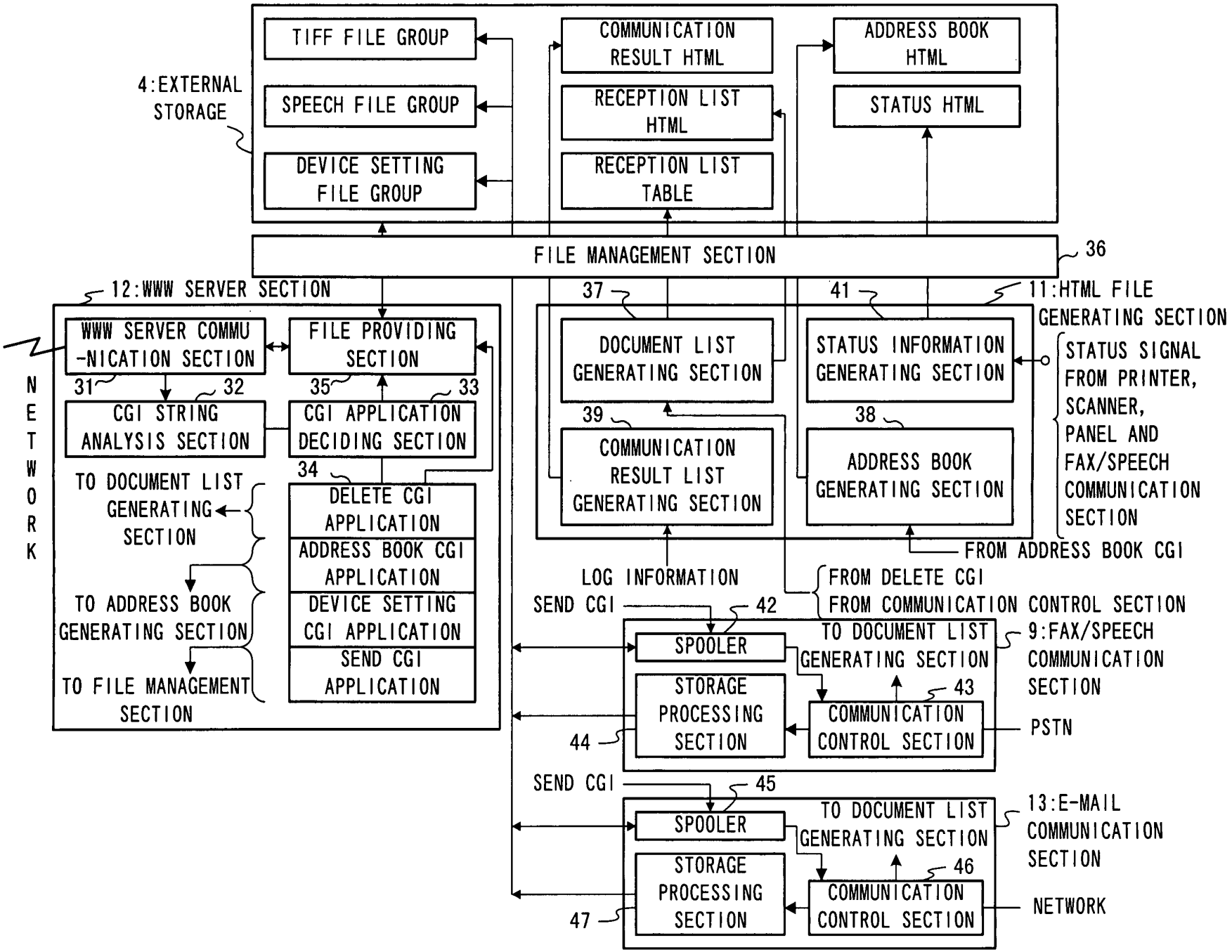

4:EXTERNAL STORAGE
TIFF FILE GROUP
SPEECH FILE GROUP
DEVICE SETTING FILE GROUP
COMMUNICATION RESULT HTML
RECEPTION LIST HTML
RECEPTION LIST TABLE
ADDRESS BOOK HTML
STATUS HTML
FILE MANAGEMENT SECTION
36
12:WWW SERVER SECTION
NETWORK
WWW SERVER COMMU-NICATION SECTION
FILE PROVIDING SECTION
31
32
35
33
CGI STRING ANALYSIS SECTION
CGI APPLICATION DECIDING SECTION
34
TO DOCUMENT LIST GENERATING SECTION
TO ADDRESS BOOK GENERATING SECTION
TO FILE MANAGEMENT SECTION
DELETE CGI APPLICATION
ADDRESS BOOK CGI APPLICATION
DEVICE SETTING CGI APPLICATION
SEND CGI APPLICATION
37
41
11:HTML FILE GENERATING SECTION
DOCUMENT LIST GENERATING SECTION
STATUS INFORMATION GENERATING SECTION
STATUS SIGNAL FROM PRINTER, SCANNER, PANEL AND FAX/SPEECH COMMUNICATION SECTION
39
38
COMMUNICATION RESULT LIST GENERATING SECTION
ADDRESS BOOK GENERATING SECTION
FROM ADDRESS BOOK CGI
LOG INFORMATION SEND CGI
42
FROM DELETE CGI
FROM COMMUNICATION CONTROL SECTION
SPOOLER
TO DOCUMENT LIST GENERATING SECTION
9:FAX/SPEECH COMMUNICATION SECTION
STORAGE PROCESSING SECTION
43
COMMUNICATION CONTROL SECTION
PSTN
44
SEND CGI
45
SPOOLER
TO DOCUMENT LIST GENERATING SECTION
13:E-MAIL COMMUNICATION SECTION
STORAGE PROCESSING SECTION
46
COMMUNICATION CONTROL SECTION
NETWORK
47

FIG. 5

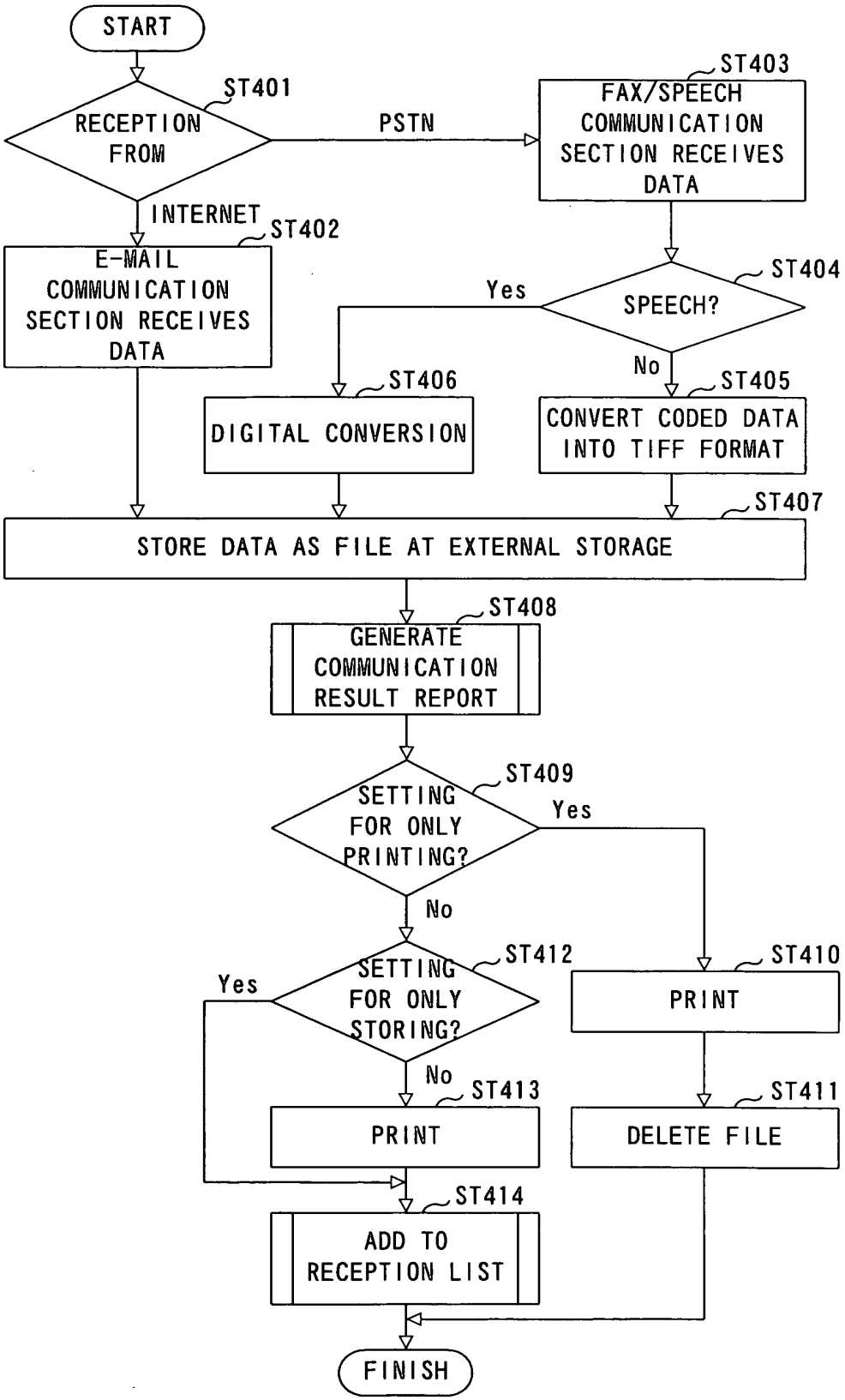

START
ST401
RECEPTION FROM
PSTN
ST403
FAX/SPEECH COMMUNICATION SECTION RECEIVES DATA
INTERNET
ST402
E-MAIL COMMUNICATION SECTION RECEIVES DATA
ST404
SPEECH?
Yes
No
ST406
DIGITAL CONVERSION
ST405
CONVERT CODED DATA INTO TIFF FORMAT
ST407
STORE DATA AS FILE AT EXTERNAL STORAGE
ST408
GENERATE COMMUNICATION RESULT REPORT
ST409
SETTING FOR ONLY PRINTING?
Yes
No
ST412
SETTING FOR ONLY STORING?
Yes
ST410
PRINT
No
ST413
PRINT
ST411
DELETE FILE
ST414
ADD TO RECEPTION LIST
FINISH

FIG. 6

6602501 356T660

DOCUMENT NUMBER	DOCUMENT FILE NAME	REGISTERED DATA	SENDER	TITLE
0001	fax0001.tif	1998.08.03 14:45:31	03-1234-5678	G3FAX RECEIVED DOCUMENT
0002	mail0001.tif	1998.08.05 11:30:15	ifax@abc.co.jp	MAP
0003	audio0001.wav	1998.08.13 19:15:20	03-7789-1122	TELEPHONE SPEECH

FIG. 7

```
<HTML>
<HEAD>
<TITLE>NETWORK RECEIVED DOCUMENT</TITLE>
</HEAD>
<BODY BGCOLOR="#ffffff" onLoad="focus()">
<FORM NAME="MyForm">
<INPUT TYPE="hidden" NAME="mbox" VALUE="ifax">

<Table Border="1" CellPadding="2">
<Tr><Th>SELECT</Th><Th>DOCUMENT NUMBER</Th><Th NOWRAP>
REGISTERED DATA </Th><Th> SENDER </Th><Th> TITLE </Th></Tr>
<!-- No.000300F3 -->   ←DOCUMENT NUMBER HEX
<Tr><Td><INPUT TYPE="checkbox" VALUE="00243"></Td>                    RECEPTION
<Td><A HREF="tiff/nim00243.tif">00243</A></td>                        LIST
<Td>1998.10.07 20:45:53</Td>                                          FIRST
<Td>ifax@tora.rdmg.mgcs.mei.co.jp</Td>                                LINE
<Td>IMAGE from Internet FAX</Td></Tr>
<!-- No.000300F0 -->
<Tr><Td><INPUT TYPE="checkbox" VALUE="00240"></Td>                    RECEPTION
<Td><A HREF="tiff/nim00240.tif">00240</A></td>→DOCUMENT               LIST
<Td>1998.10.07 20:14:53</Td>→DATA                  NUMBER             SECOND
<Td>ifax@eos5.rdmg.mgcs.mei.co.jp</Td>→SENDER                        LINE
<Td>IMAGE from Internet FAX</Td></Tr>→TITLE
<!-- No.000300ED -->
<Tr><Td><INPUT TYPE="checkbox" VALUE="00237"></Td>                    RECEPTION
<Td><A HREF="tiff/nim00237.tif">00237</A></td>                        LIST
<Td>1998.10.07 20:08:51</Td>                                          THIRD
<Td>ifax@eos5.rdmg.mgcs.mei.co.jp</Td>                                LINE
<Td>IMAGE from Internet FAX</Td></Tr>
<!-- No.000300EA -->
<Tr><Td><INPUT TYPE="checkbox" VALUE="00234"></Td>                    RECEPTION
<Td><A HREF="tiff/nim00234.tif">00234</A></td>                        LIST
<Td>1998.10.07 18:00:04</Td>                                          FOURTH
<Td>ifax@usagi.rdmg.mgcs.mei.co.jp</Td>                               LINE
<Td>IMAGE from Internet FAX</Td></Tr>
<!-- No.000300E9 -->
<Tr><Td><INPUT TYPE="checkbox" VALUE="00233"></Td>                    RECEPTION
<Td><A HREF="tiff/nim00233.tif">00233</A></td>                        LIST
<Td>1998.10.07 17:55:35</Td>                                          FIFTH
<Td>ifax@usagi.rdmg.mgcs.mei.co.jp</Td>                               LINE
<Td>IMAGE from Internet FAX</Td></Tr>
<!-- No.00000000 -->   ←INDICATE DATA END
</Table></UL>
</FORM>
</BODY>
</HTML>
```

FIG. 8

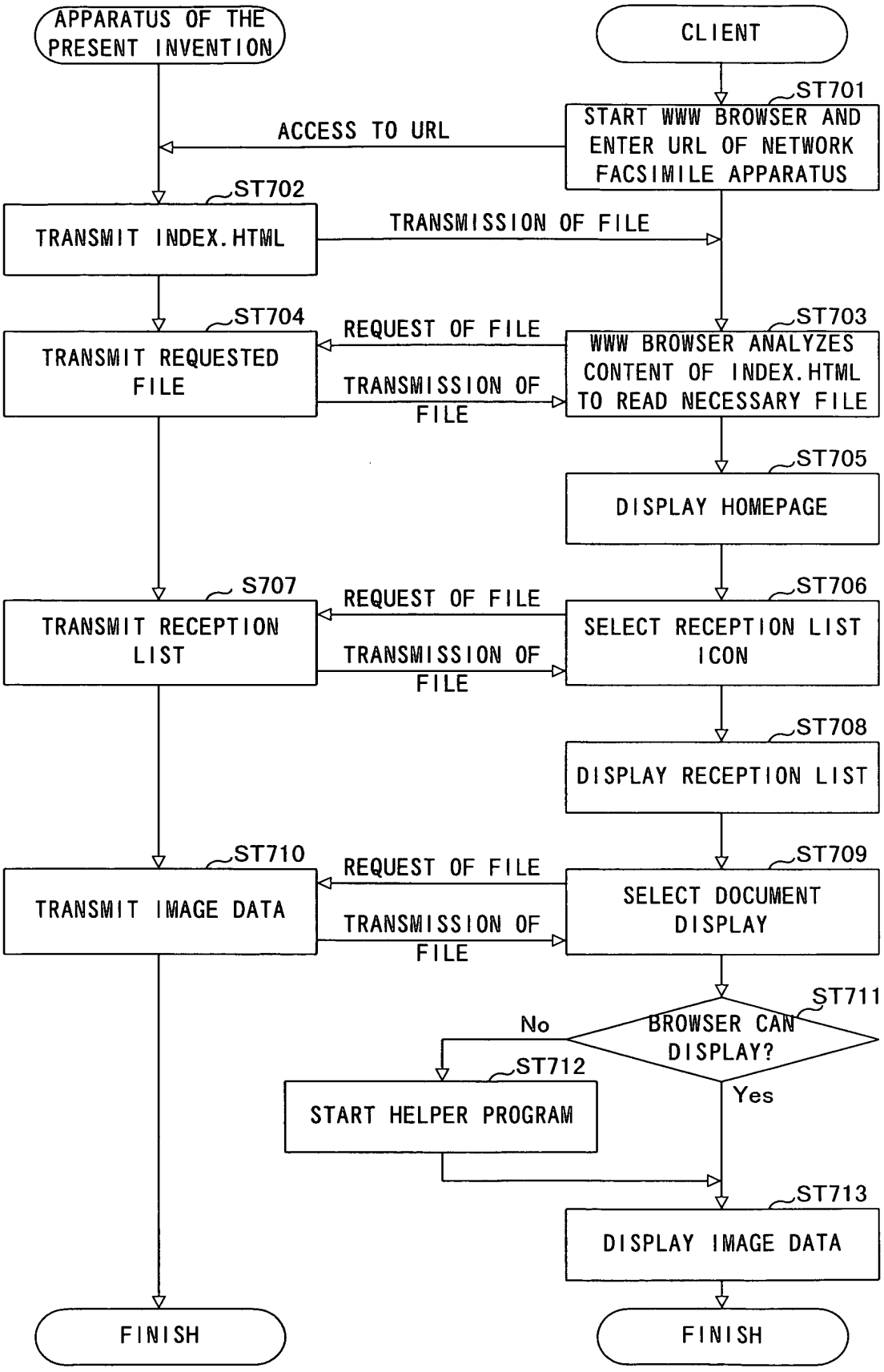

APPARATUS OF THE PRESENT INVENTION
CLIENT
ST701
START WWW BROWSER AND ENTER URL OF NETWORK FACSIMILE APPARATUS
ACCESS TO URL
ST702
TRANSMIT INDEX.HTML
TRANSMISSION OF FILE
ST704
TRANSMIT REQUESTED FILE
REQUEST OF FILE
TRANSMISSION OF FILE
ST703
WWW BROWSER ANALYZES CONTENT OF INDEX.HTML TO READ NECESSARY FILE
ST705
DISPLAY HOMEPAGE
S707
TRANSMIT RECEPTION LIST
REQUEST OF FILE
TRANSMISSION OF FILE
ST706
SELECT RECEPTION LIST ICON
ST708
DISPLAY RECEPTION LIST
ST710
TRANSMIT IMAGE DATA
REQUEST OF FILE
TRANSMISSION OF FILE
ST709
SELECT DOCUMENT DISPLAY
ST711
BROWSER CAN DISPLAY?
No
Yes
ST712
START HELPER PROGRAM
ST713
DISPLAY IMAGE DATA
FINISH
FINISH

FIG. 9

HTML FILE RELATION TABLE

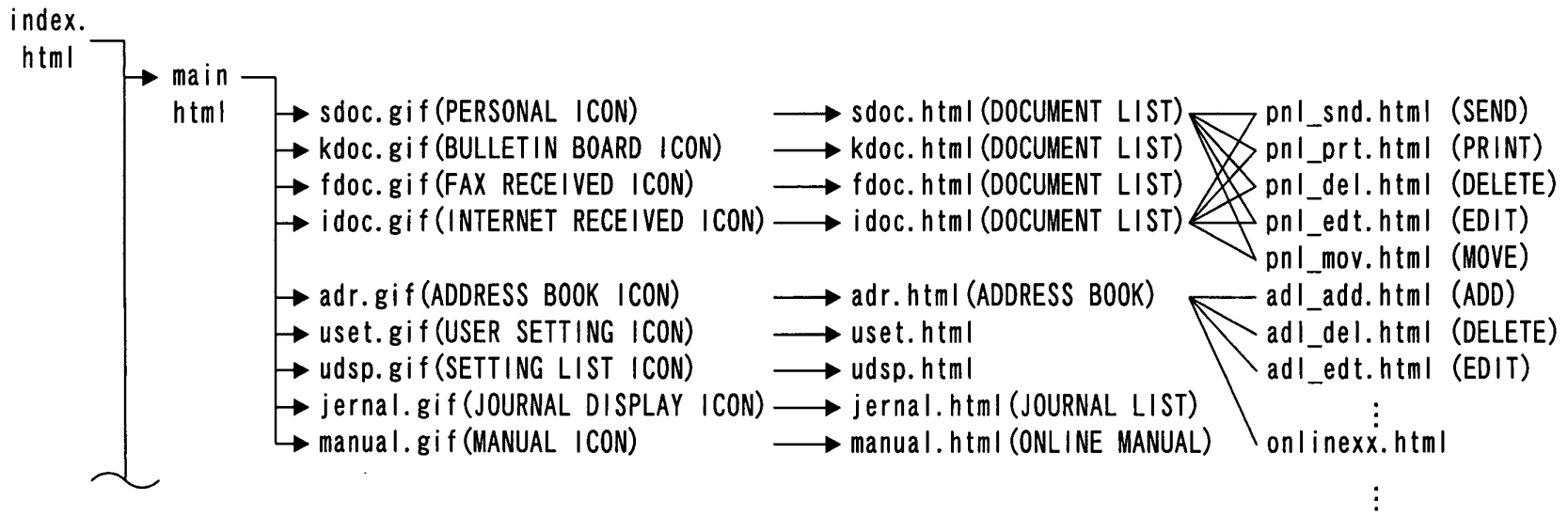


FIG. 10

HOMEPAGE MAIN PAGE

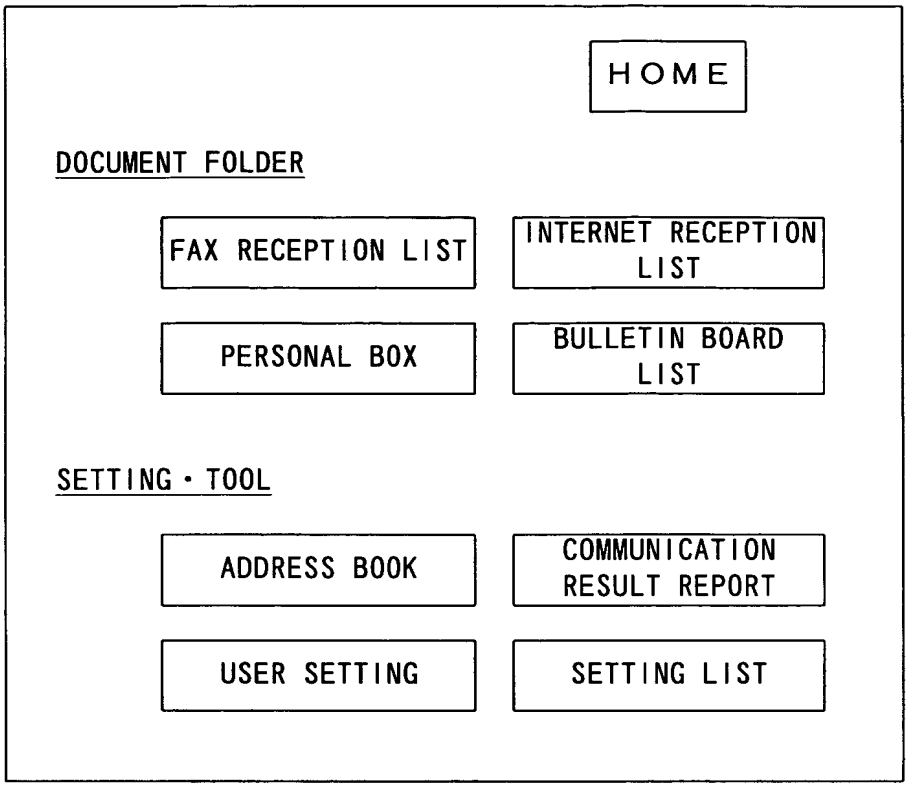


FIG. 11

HOME

INTERNET RECEIVED DOCUMENT

MENU

SEND

PRINT

DELETE

EDIT

MOVE

SELECT	DOCUMENT NUMBER	REGISTERED DATA	SENDER	TITLE
☐	00243	1998.10.07.20:45:53	ifax@tora.rdmg.mgcs.mei.co.jp	IMAGE from Internet FAX
☐	00240	1998.10.07.20:14:53	ifax@eos5.rdmg.mgcs.mei.co.jp	IMAGE from Internet FAX
☐	00237	1998.10.07.20:08:51	ifax@eos5.rdmg.mgcs.mei.co.jp	IMAGE from Internet FAX
☐	00234	1998.10.07.18:00:04	ifax@usagi.rdmg.mgcs.mei.co.jp	IMAGE from Internet FAX
☐	00233	1998.10.07.17:55:35	ifax@usagi.rdmg.mgcs.mei.co.jp	IMAGE from Internet FAX

FIG. 12

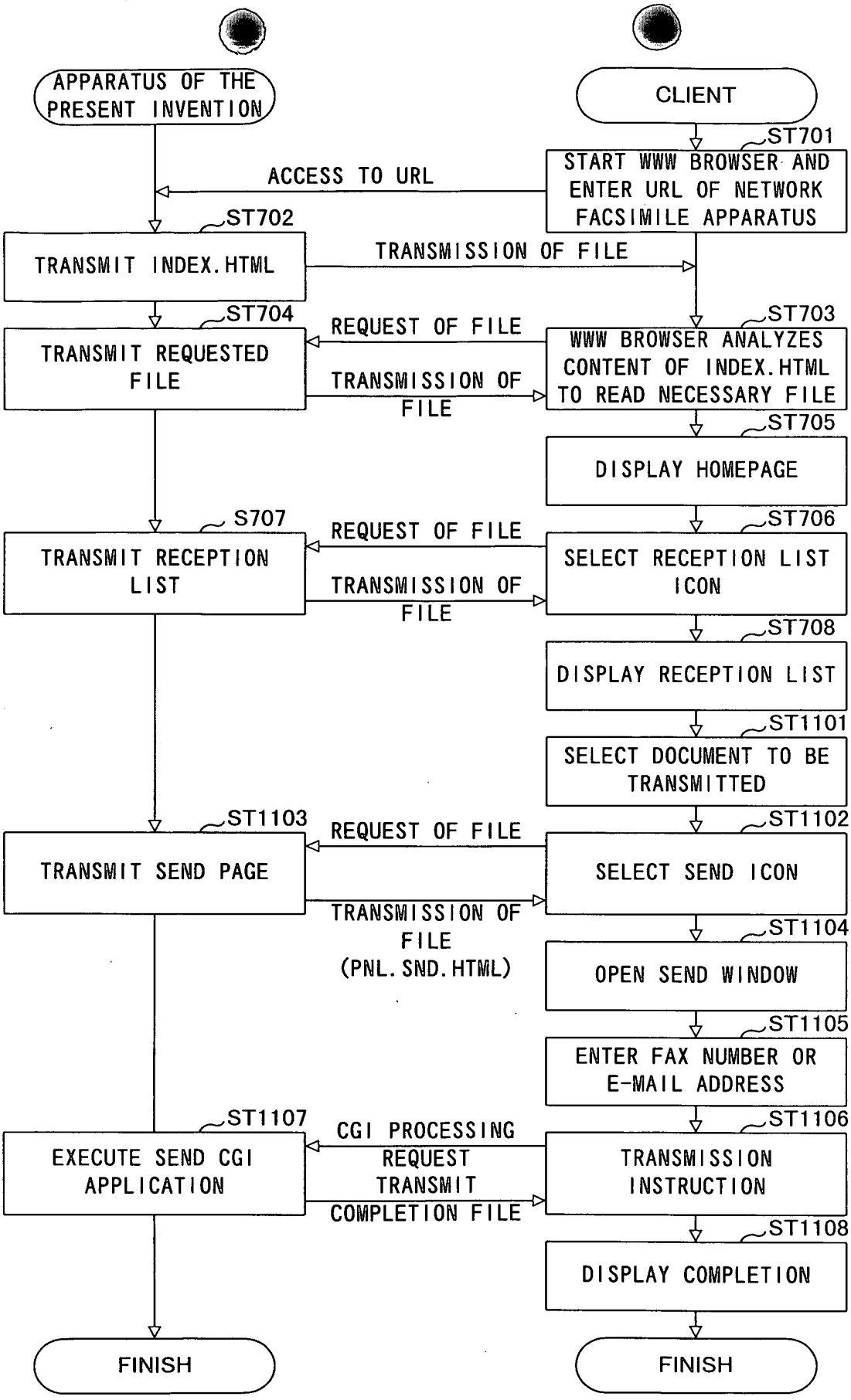

APPARATUS OF THE PRESENT INVENTION
CLIENT
ST701
START WWW BROWSER AND ENTER URL OF NETWORK FACSIMILE APPARATUS
ACCESS TO URL
ST702
TRANSMIT INDEX.HTML
TRANSMISSION OF FILE
ST704
TRANSMIT REQUESTED FILE
REQUEST OF FILE
TRANSMISSION OF FILE
ST703
WWW BROWSER ANALYZES CONTENT OF INDEX.HTML TO READ NECESSARY FILE
ST705
DISPLAY HOMEPAGE
S707
TRANSMIT RECEPTION LIST
REQUEST OF FILE
TRANSMISSION OF FILE
ST706
SELECT RECEPTION LIST ICON
ST708
DISPLAY RECEPTION LIST
ST1101
SELECT DOCUMENT TO BE TRANSMITTED
ST1103
TRANSMIT SEND PAGE
REQUEST OF FILE
TRANSMISSION OF FILE (PNL.SND.HTML)
ST1102
SELECT SEND ICON
ST1104
OPEN SEND WINDOW
ST1105
ENTER FAX NUMBER OR E-MAIL ADDRESS
ST1107
EXECUTE SEND CGI APPLICATION
CGI PROCESSING REQUEST TRANSMIT COMPLETION FILE
ST1106
TRANSMISSION INSTRUCTION
ST1108
DISPLAY COMPLETION
FINISH
FINISH

FIG. 13

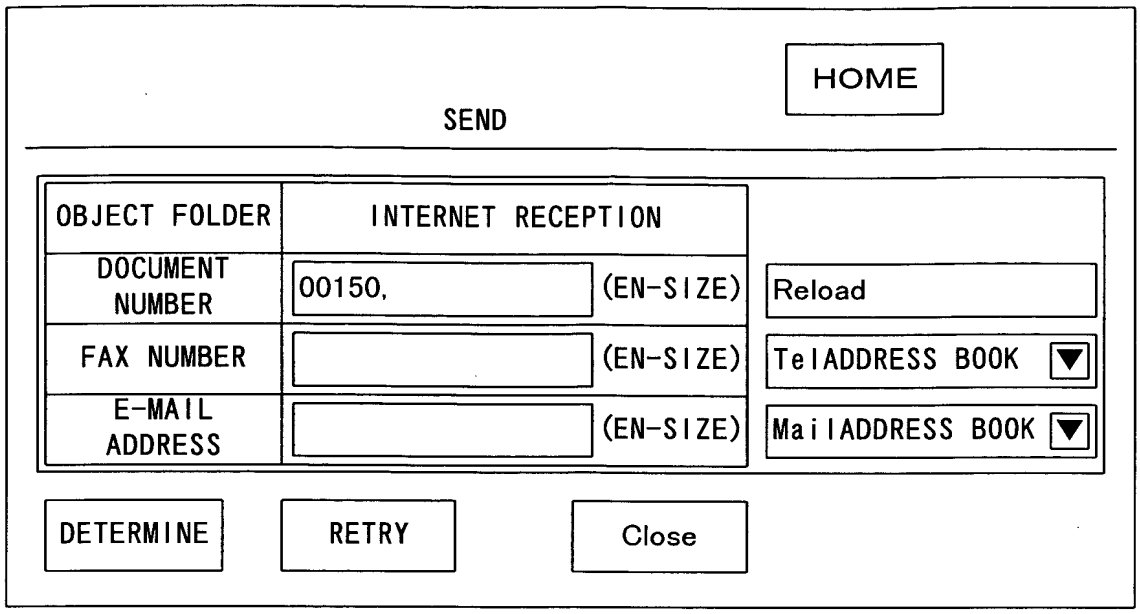

HOME
SEND
OBJECT FOLDER
INTERNET RECEPTION
DOCUMENT NUMBER
00150,
(EN-SIZE)
Reload
FAX NUMBER
(EN-SIZE)
TelADDRESS BOOK
E-MAIL ADDRESS
(EN-SIZE)
MailADDRESS BOOK
DETERMINE
RETRY
Close

FIG. 14

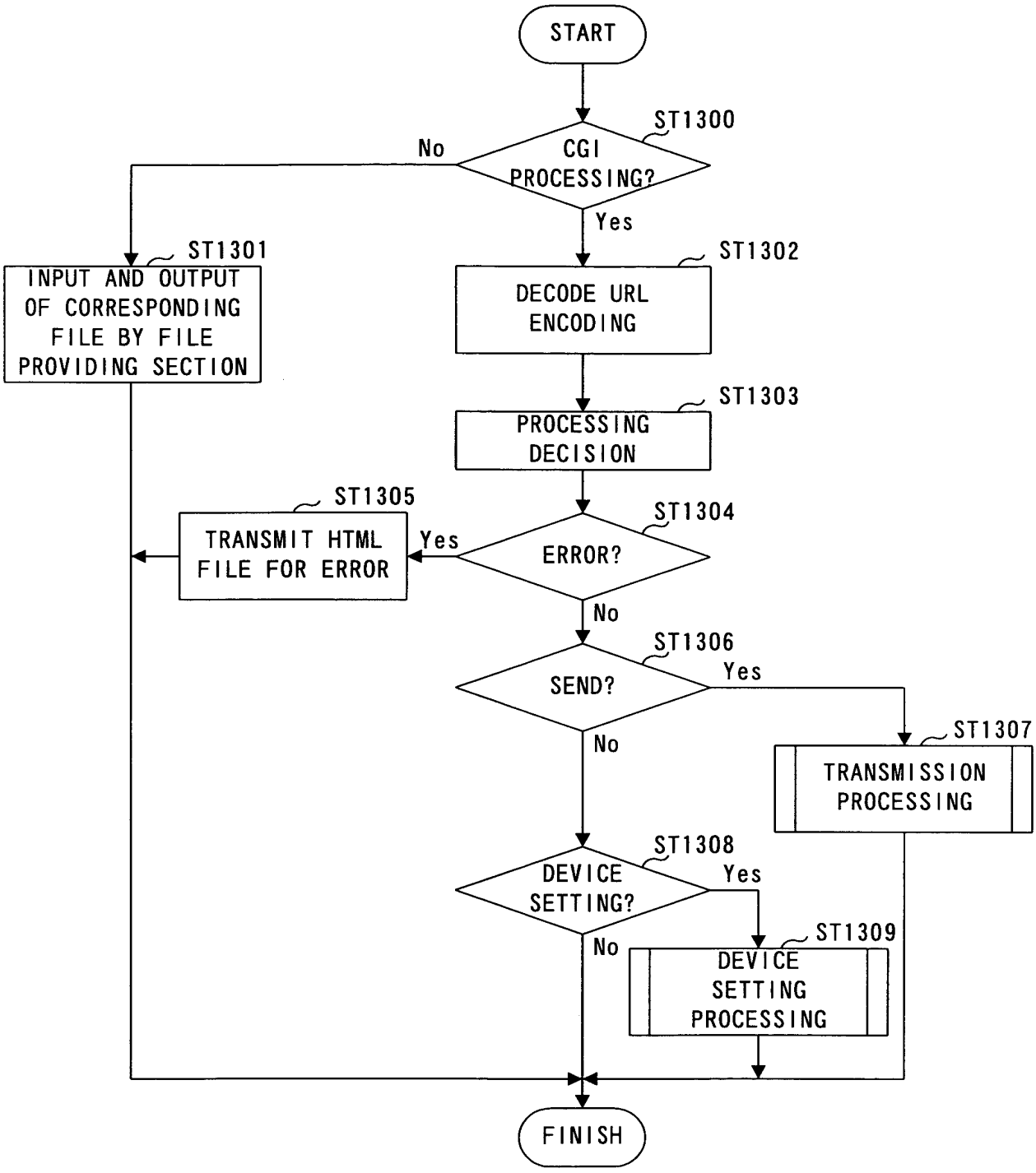

START
ST1300
CGI PROCESSING?
No
Yes
ST1301
INPUT AND OUTPUT OF CORRESPONDING FILE BY FILE PROVIDING SECTION
ST1302
DECODE URL ENCODING
ST1303
PROCESSING DECISION
ST1304
ERROR?
Yes
ST1305
TRANSMIT HTML FILE FOR ERROR
No
ST1306
SEND?
Yes
ST1307
TRANSMISSION PROCESSING
No
ST1308
DEVICE SETTING?
Yes
ST1309
DEVICE SETTING PROCESSING
No
FINISH

FIG. 15

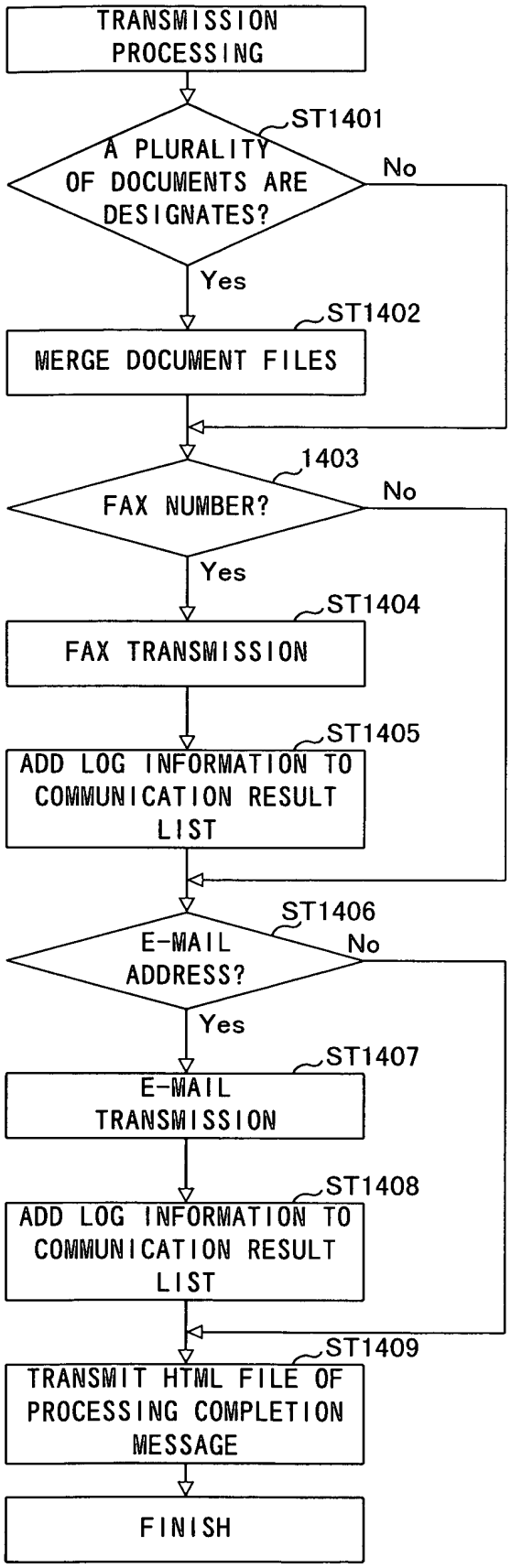

TRANSMISSION PROCESSING
ST1401
A PLURALITY OF DOCUMENTS ARE DESIGNATES?
No
Yes
ST1402
MERGE DOCUMENT FILES
1403
FAX NUMBER?
No
Yes
ST1404
FAX TRANSMISSION
ST1405
ADD LOG INFORMATION TO COMMUNICATION RESULT LIST
ST1406
E-MAIL ADDRESS?
No
Yes
ST1407
E-MAIL TRANSMISSION
ST1408
ADD LOG INFORMATION TO COMMUNICATION RESULT LIST
ST1409
TRANSMIT HTML FILE OF PROCESSING COMPLETION MESSAGE
FINISH

FIG. 16

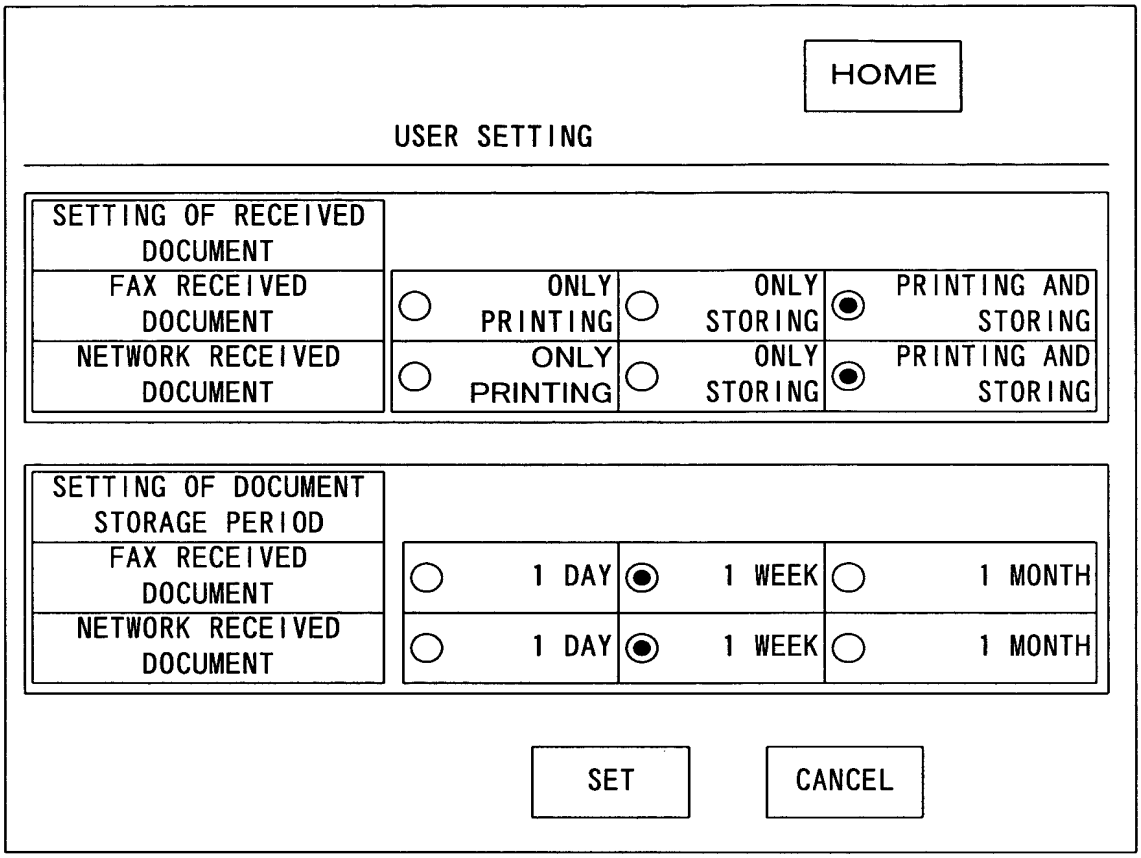

HOME
USER SETTING
SETTING OF RECEIVED DOCUMENT
FAX RECEIVED DOCUMENT
ONLY PRINTING
ONLY STORING
PRINTING AND STORING
NETWORK RECEIVED DOCUMENT
ONLY PRINTING
ONLY STORING
PRINTING AND STORING
SETTING OF DOCUMENT STORAGE PERIOD
FAX RECEIVED DOCUMENT
1 DAY
1 WEEK
1 MONTH
NETWORK RECEIVED DOCUMENT
1 DAY
1 WEEK
1 MONTH
SET
CANCEL

FIG. 17

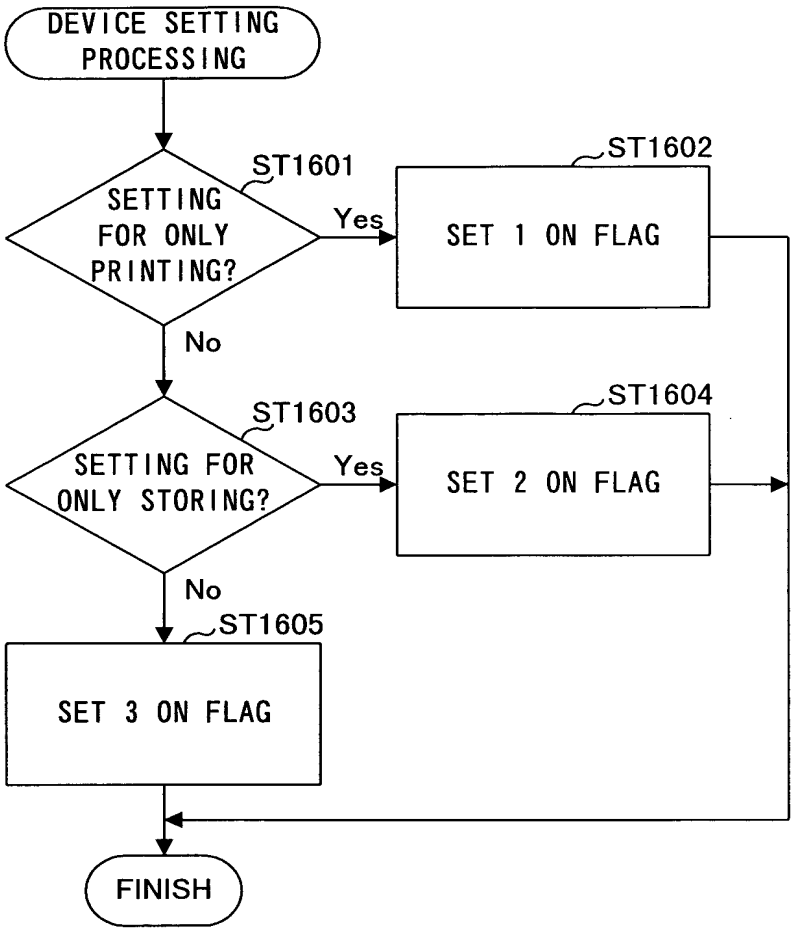

DEVICE SETTING PROCESSING
ST1601
SETTING FOR ONLY PRINTING?
Yes
ST1602
SET 1 ON FLAG
No
ST1603
SETTING FOR ONLY STORING?
Yes
ST1604
SET 2 ON FLAG
No
ST1605
SET 3 ON FLAG
FINISH

FIG. 18

HOME

COMMUNICATION RESULT REPORT

No.	RECEPTION NUMBER	COMMUNICATION DATA	COMMUNICATION PARTNER	A NUMBER OF SHEETS	COMMUNICATION TYPE	COMMUNICATION DURATION TIME	CHARGE	MODE	CONDITION
01	94	09-08 14:56	7-374-2935	01/01	TRANSMISSION	00:01'30	30	G3	GOOD
02	95	09-09 13:51	7-374-2935	00/01	TRANSMISSION	00:00'46	10	G3	0544
03	96	09-09 13:51	7-374-2935	00/01	TRANSMISSION	00:00'46	10	G3	GOOD

FIG. 19